

SAFETY DATA SHEET

IQChem Inc.

According to Regulation (EC) No 1907 / 2006 (REACH)

Trade name: **IQC Ink SF Yellow 174**

Revision Date: 11.01.2011 **Version : 1.02 / EN**

01. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

IQC Ink SF Yellow 174

1.2 Relevant identified uses of the substance or mixture and uses advised against

Colouring component.

1.3 Detail of the supplier of the safety data sheet

IQChem Inc.

Benkenstrasse 254
CH-4108 Witterswil

Tel: +41 61 721 95 40

Fax: +41 61 721 95 41

E-mail: info@iqchem.com

E-Mail competent person

info@hdcc-hh.de

1.4 Emergency telephone number

0041-44-251 51 51 (short number for Switzerland: Tel. 145)

02. Hazards identification

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union legislation.

2.2 Label elements

This substance is not classified as dangerous according to European Union legislation.

2.3 Other hazards

None.

03. Composition/information on ingredients

3.1 Substances

Chemical characterization

C.I. Pigment Yellow 174

CAS No. : 78952-72-4

EC No. : 279-017-2

Chemical Class : Disazo

Ingredient Name : 2-[[3,3-dichloro-4-[[1-[[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1-biphenyl]-4-yl]azo]-n-(2-methylphenyl)-3-oxo-butylamide

Proportion : 60-100%

04. First aid measures

4.1 Description of first aid measures

After inhalation:

Provide fresh air.

Consult physician if problems arise.

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After skin contact:

Remove contaminated, saturated clothing immediately.
Wash immediately with: water and soap.

After eye contact:

In case of contact with eyes, rinse immediately thoroughly with plenty of water and consult an ophthalmologist.

After ingestion:

Rinse mouth thoroughly with water.
Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Not specified.

4.3 Indication of any immediate medical attention and special treatment needed

Not specified.

05. Firefighting measures

5.1 Extinguishing media

Suitable: Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder.
Not suitable: Not specified.

5.2 Special hazards arising from the substance or mixture

In case of fire or at high temperatures the formation of the following decomposition products is possible:
Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO_x).

5.3 Advice for firefighters

contaminated firefighting water must not be discharged into the drainage system.

06. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow to enter drains/surface water/ground water.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

None.

07. Handling and storage

7.1 Precautions for safe handling

Avoid: generation of dust.
Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

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Precautions against fire and explosion

Keep away from: Heating.
Keep away from: Sources of ignition.
No smoking.

7.3 Specific and use(s)

Not specified.

08. Exposure controls / personal protection

8.1 Control parameters

Not specified.

8.2 Exposure controls

Not specified.

Personal protection

Respiratory protection

Filtering mask P.

Eye protection

Eye glasses with side protection type 4 (DIN EN 166).

Protective clothing

Working clothes protecting the whole body.

Hand protection

Chemicals resistant gloves (EN 374).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation.
After use of gloves apply skin-cleaning agents and skin cosmetics.

For solids:

Butyl caoutchouc (butyl rubber)

NBR (nitrile rubber)

CR (polychloroprene, chloroprene rubber)

FKM (fluoro rubber)

Penetration time: The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

Environmental precautions

See 6.2

09. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Powder

Colour: Yellow

Odour: None

Explosion hazard: Product is not explosive. However, formation of explosive air/dust mixtures is possible.

Lower Explosion limits: Not determined.

Upper Explosion limits: Not determined.

Flash point: Not applicable.

Vapour pressure: Not applicable.

Vapour density: Not applicable.

Density: Not determined.

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| | |
|---|---|
| Viscosity, dynamic: | Not applicable. |
| pH: | Not applicable. |
| Boiling point/range: | Not determined. |
| Melting point/range: | Not determined. |
| Ignition temperature: | Not determined. |
| Flammability: | Not determined. |
| Partition coefficient n-Octanol/Water: | Not applicable. |
| Solubility: | Insoluble in water, methanol and ethyl acetate. |

9.2 Other information

None.

10. Stability and reactivity

10.1 Reactivity

Not specified.

10.2 Chemical stability

Not specified.

10.3 Possibility of hazardous reactions

Not specified.

10.4 Condition to avoid

Not specified.

10.5 Incompatible materials

Not specified.

10.6 Hazardous decomposition products

In case of fire or at high temperatures the formation of the following decomposition products is possible:
Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx).

11. Toxicological information

11.1 Information on toxicological effects

Based on data from similar products it is not expected to be toxic.

Acute toxicity

Not specified.

Skin corrosion/irritation

Not specified.

Serious eye damage/irritation

Not specified.

Respiratory or skin sensitisation

Not specified.

Germ cell mutagenicity

Not specified.

Carcinogenicity

Not specified.

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Reproductive toxicity

Not specified.

STOT-single exposure

Not specified.

STOT-repeated exposure

Not specified.

Aspiration hazard

Not specified.

12. Ecological information

12.1 Toxicity

Not specified.

12.2 Persistence and degradability

Not applicable, insoluble in water.

12.3 Bioaccumulative potential

Not specified.

12.4 Mobility in soil

Not specified.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Insoluble in water. Based on data from similar products it is not expected to pose a hazard to the environment.

13. Disposal considerations

13.1 Waste treatment methods

Products

Dispose of waste according to applicable local, state and federal regulations.

The EWC number is determined mainly by the use of the product. Unused quantities can be disposed of under 16 05 09.

Packaging

Uncleaned packagings

Disposal according to instructions of local authorities.

14. Transport information

14.1 UN number

No dangerous good in sense of the transport regulation.

14.2 UN proper shipping name

No dangerous good in sense of the transport regulation.

14.3 Transport hazard class(es)

No dangerous good in sense of the transport regulation.

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14.4 Packing group

No dangerous good in sense of the transport regulation.

14.6 Special precautions for user

See chapter 6-8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No dangerous good in sense of the transport regulation.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

GHS-Labeling

Not a dangerous substance according to GHS.

Labelling according to EC Directives

The product does not need to be labelled in accordance with EC directives or respective national.

Restriction according Annex VIII (EC) No 1907/2006:

None.

National regulations

In Germany:

TA luft:

The components are not subject to the TA Luft.

StörfallIV:

This product is not subject to the StörfallIV acc. To annex I.

In Switzerland:

StörfallIV:

This product is not subject to the StörfallIV.

15.2 Chemical safety assessment

The substance/mixture was not subject to chemical safety assessment.

16. Other information

Further information

This safety data sheet assumes high professional standards when handling chemicals. Whenever there is no particular recommendation in this safety data sheet, these high professional standards have to be applied. All information refers to the original product as supplied and is based on our current knowledge.

This safety data sheet is no guarantee of any product properties and does not establish any legal relationship.

Alterations/supplements

Alterations to the previous edition are marked in the left-hand margin.

Department issuing MSDS

HDDC-Hamburg Distribution & Chemical Consulting UG (haftungsbeschränkt), Marckmannstr. 126, D-20539 Hamburg

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